

## **COCCOLOBA CARAVELLAE, SPECIES NOVA (POLYGONACEAE) IN MARTINICA COLLECTA**

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### **ABSTRACT**

One new species of Martinique is described: *Coccoloba caravellae* (Polygonaceae). Comparisons are made with allied species *C. uvifera*, *C. pubescens* and *C. rugosa*.

**KEY WORDS:** *Coccoloba*, Polygonaceae, Martinique, systematics.

In pulchra insula Martinica, in peninsula Caravella, arbor generis *Coccolobae* sect. *Eucoccoloba* Lindau, ignota erat. Ergo, illam nominamus *Coccolobam* "caravellae."

***Coccoloba caravellae* Sastre et Fiard, spec. nov.** TYPUS: MARTINIQUE: Presqu'île de la Caravelle, Baie Gros Raisin, en arrière-mangrove, 24 VII 1989, *C. Sastre, J.P. Fiard & C. Jeannet* 8782 (cum floribus) [HOLOTYPUS: P!; Isotypus: GH!, GUA! (Herbarium INRA, Guadeloupe), MAR! (Herbarium Galerie de Botanique, F. de F., Martinique), US!].

Paratypus: MARTINIQUE: Ibid. (eadem arbor), 11 IX 1988, *C. Sastre & J.P. Fiard* 8603 (cum fructibus) (GUA, MAR, P); Presqu'île de la Caravelle, Baie du Trésor, en bordure de mangrove, 30 VII 1989, *C. & F. Sastre* 8800 (P).

A *C. uvifera* L., cortice fissurato, nervis I et II pilosis (non glabris) pagine superiore, hirsutis (non velutinis) pagine inferiore, inflorescentia saepe erecta, 15-30 cm, floribus virescentibus, sepalis pilosis, differt.

A *C. pubescens* L., nervatione non omnino impressa (atque *C. uvifera* et pilosa, foliis basi profunde cordatae lobis basalibus imbricatis, pedunculis floralibus 3-4 mm longis, differt.

A *C. uvifera* et *C. pubescens*. bostribus media minus numerosis, staminibus fertilibus sterilibus inclusis 1 mm longis, styli 1.5 mm longis, differt.

Frutex procérus vel arbor 3-10 m alta, juvenis ramis pilosis rutilis; lenticellae nigrae; cortex fissuratus. Juvena folia rubra, folia sub-sessilia; petiolus pilosus crassus 5-10 mm longus; lamina coriacea, amplissima. 20-30 x 25-35 cm, sub-orbicularis, basi profunde cordata, lobis basalibus imbricatis, apice obtusato, nervis I et II et saepe III hirsuto-pubescentibus. Ochrea coriacea, hirsuto-pubescentis, 0.8-1.2 cm alta, bilobata, lobis oppositis. Inflorescentia racemosa terminalis, erecta, 15-20 cm longa, folium base inflorescentiae diminutum. Flores virescentes, 2.5 mm longi, pedunculo florali 3 mm longo; sepala 5 pilosa; stamina inclusa 8, 1 mm longa, calyculi unita, filamentis subulatis connatis basi dilatatis, anthera triangularis 0.2 mm alta, styli 3, 1.5 mm longi. Fructus baccifer, 10 mm diam, semine brunneolo.

Habitat in locis litoralibus, prope silvam palustrem Rhizophorae.

A *C. rugosa* Desf., St. Thomas Porto-Ricoque species, inflorescentiae axibus (2 mm diam et non 5 mm) et foliis non impresissimis (multo plus in *C. rugosa* quam in *C. pubescens*) differt. *C. rugosa* in Sancti Petri horto culta fuit (leg. Plee).

Howard (1949) et Tomlinson (1974) in Florida casus dioecios in *C. uvifera* cum staminibus sterilibus inclusis describunt. In Martinica femineos masculosque flores in eadem inflorescentia vidimus, sed staminibus sterilibus inclusis flores nunquam invenimus, stamina omnia exserta erant. Sed in *C. caravallae* stamina omnia fertilia steriliaque spectata inclusa erant.

#### LITERAE CITATAE

Howard, R.A. 1949. The genus *Coccoloba* in Cuba. J. Arnold Arbor. 30:388-424.

Tomlinson, P.B. 1974. Breeding mechanisms in trees native to tropical Florida-A morphological assessment. J. Arnold Arbor. 55:269-290.